

Reconsideration is respectfully requested of the objections to claims 16, 6, 17, and 19 to 21. Applicant has adopted the substance of the Examiner's suggestions to correct these claims.

Reconsideration is respectfully requested of the rejection of claim 3 under 35 USC 112 as being indefinite. The Examiner alleges that the limitation "the second filter section" has insufficient antecedent basis for this limitation. Applicant has amended claim 3 to provide antecedent basis for this limitation. This claims was not rejected on other grounds and thus should now be allowable

The Examiner is respectfully thanked for briefly discussing the claims with counsel on December 19, 2005. Applicant proposed to the Examiner that claim 25 was allowable by virtue of claiming a suppression filter with multiple filter sections. Applicant understood the Examiner to allege that Stites disclosed multiple filter sections, namely Stites' first order notch filter with capacitor 66 and inductor 70 as a first filter together with the second order matching section with capacitor 62 and inductor 55 as a second filter. Hence, applicant understood the Examiner to allege that Stites had a suppression filter with multiple filter sections.

Applicant has amended the claims to specify a separate second order matching section and a separate suppression filter having multiple filter sections (See for example Fig. 8.) to distinguish the claims from the references. The claims have

been further amended to specify a shielded harmonic suppression filter to distinguish them from the references.

Reconsideration is respectfully requested of the rejection the claims over Stites or Stites in combination with Arevalo. The claims are believed to be distinct and non-obvious from any of the references, alone or in combination, by virtue of "said system having a suppression filter effective at a frequency of the secondary radiations; said system having a second order matching section for said radiator and including a capacitor and a parallel inductance; said suppression filter being a shielded harmonic suppression filter and including one of a low pass filter and a band pass filter." in claims 1 and those dependent therefrom, and by virtue of "said system having a second order matching section for said radiator and including a capacitor and a parallel inductance; said suppression filter being a shielded harmonic suppression filter; said suppression filter including a plurality of filter sections" in claim 25 and those dependent therefrom.

The claims dependent therefrom are believed to be more particularly distinct and non-obvious from any combination of references by virtue of particular features recited therein.

None of the references, alone or in combination, suggests these features nor in any sense makes the claims obvious. The Stites patent fails to suggest system

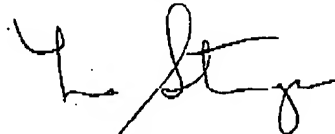
having a suppression filter as well as a matching section with the suppression filter having a plurality of filter sections. The low pass filter makes it possible securely to suppress any harmonic interference such as 12th or 13th harmonics, generated by the transmitter in the transmitter/receiver TRI that may be coincident with the frequency band(s) of other antennas tuned to any of GPS (1,575.42 MHz), WSI (1,544.5 MHz), XM Satellite and/or Sirius Satellite (2,332.0-2,345 MHz), Globalstar (2,483.5 -2,500 MHz and 1,610.0-1,626.5 MHz), Iridium (1,616-1,626.5 MHz), Satcom (1,530-1,559 and 1,626.5-1,660.5 MHz), etc. The resultant reduction in Radio Frequency Interference (RFI) from the monopole antenna allows for higher frequency antennas to be placed close to the monopole antenna without the risk of degrading their electrical performance. The Stites arrangement fails to consider the effects of several disturbances. The claimed arrangement permits suppression over a broad band, both with respect to a second resonator enclosed in the same antenna and with respect to other antennas. The multi filter section suppression filter has a similar effect in broadening the suppression band.

Arevalo adds nothing to Stites to make the claimed structure obvious. As indicated by the Examiner, Arevalo merely teaches in figures 2-4 attenuator [206]; and microstrip notch filter [214]. Arevator discloses a frequency converter that shifts an input frequency to a lower frequency. As indicated by Arevalo, the attenuator 206 is used in order to reduce the power of any reflected

signals before they enter back into the signal generator 104. The attenuator 206 reduces the power of the signal by 10 dB when the signal passes through it in the forward direction, and by an additional 10 dB when the reflected signal passes through it coming back. The microstrip notch filter 214 merely replaces the notch filter 114 of FIG. 1. There is nothing to suggest the low pass filter nor the multiple suppression filter sections claimed nor their advantages either alone or combined to create a wider band.

In view of the above, it is respectfully requested that the claims be allowed and the case passed to issue.

Respectfully submitted,



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